

REMARKS

Responsive to the Communication dated June 26, 2003, Applicants submit herewith a paper copy of Table 8B, which has been amended to indicate the SEQ ID NOS that correspond to the sequence listing of the present application.

In the specification, the paragraph at page 86, lines 1-7 has been amended to indicate the SEQ ID NOS that are set forth in Table 8B. *No new matter has been added to the application.*

SUMMARY

As the above amendments do not affect the issue of patentability, it is respectfully requested that they be entered.

If a telephone conversation with Applicants' attorney would expedite the prosecution of the above-identified application, the Examiner is urged to call Applicants' agent at (617) 227-7400.

Dated: July 29, 2003

Respectfully submitted,

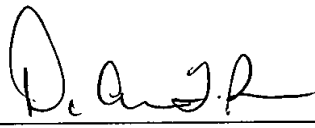
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TABLE 8B

SEQ ID NO: 3068: found in patent publication WO99/18126 (SEQ ID NO:1)
 CGCGGTGGCGGCCGAGGTACAATTTATGCAGAACTTCAGGGATGTTTGTATTCATCAAGA
 CAAGAAGATTCATCTCACAGTGGTGTATTTTGGTAAAGAAGGACTGTCTAAAGTCAAGTC
 TATCCTAGAAATCTGTCACCAGTGAGTCTAATTTTACAATTACACCTTGGTCTCATTGAA
 TGAAGAATTTAATCGTGGACGAGGACTAAATGTGGGTGCCCCGAGCTTGGGACAAGGGAGA
 GGTCTTGATGTTTTTCTGTGATGTTGATATCTATTTCTCAGCCGAATTCCTTAACAGCTG
 CCGGTTAAATGCTGAGCCAGGTAAGAAGGTGTTTTACCCTGTGGTGTTCAGTCTTTACAA
 TCTGCCATTGTTTTATGCCAACCAGGAAGTGCCACCACCTGTGGAGCAGCAGCTGGTTCA
 CAAAAGGATTCTGGCTTTTGGCGAGATTTTGGCTTT

SEQ ID NO: 3069: found in patent publication WO99/46380 (SEQ ID NO:2)
 ACCGCGGTGGCGGCCGANGTACGCGGGAGCCCTCTCACTCCTCACTGAGTCCCTCTGAAC
 GTGCTAAAATGGGAAGGAGGCGGAGTTTTGCTGATCTGNTAAATTCTTAGTGAAGTTTCC
 TCGATTTCAGTGCGTGTGTTGAGTTTGGTTTGGAGCAAACTGAGGTAGTCCTA
 ACATT

SEQ ID NO: 3462: found in patent publication WO99/64594 (SEQ ID NO:3)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTT

SEQ ID NO: 3463: found in patent publication WO99/53040 (SEQ ID NO:4)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTACTGCTAAA
 CTATATTAACCTCATAATAAAAAGTAACTAGTCAAAATTTANAACATTCTGATCAAAATGG
 GTCTGCACATGCCCTTCAAACACCTGCTGGTCATAGTCAGGAGGGAAGTCTCGCTACAC
 ATCGGGCACACCTTCCAGTGACTTTCAACATGTTCTTCAAATTTGCTCTGATCATAGTTA
 GGAGGAAACATTAACCTCACANAGGGGACACTTCTTGTGAACATCAAAGCTGGAATCAAAG
 CAAAAGCCTGTNCCATGCCCCAC

SEQ ID NO: 3464: found in patent publication WO99/18126 (SEQ ID NO:5)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTATGCTATTTTACTTTTTTGATATAAAATCAAG
 ATATTTCTTTGCTGAAGTATTTAAATCTTATCCTTGTATCTTTTTATACATATTTGAAA
 TAAGCTTATATGTATTTGAACTTTTTTGAAATCCTATTCAAGTATATTTATCATGCTATT
 GTGATATTTTAGCACTTTGGTAGCTTTTACACTGAATTTCTAAGAAAATTGTAAATAGT
 CTTCTTTTATACTGTAAAAAAGATATACCAAAAAGTCTTATAATAGGAATTTAACTTTA
 AAAACCCACTTATTGATACCTTACCAT

SEQ ID NO: 3465: found in patent publication WO98/39448 (SEQ ID NO:6)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTTCCCTAGATGACATATCGAGTCAACATGAAGC
 CTTANCTGAAATGAATGATTCAGGATATTAATGAGAAATTCACAAATGATATGCATTT
 AGGAAATGATTTTGCTTTCCCTTAAATAGTTCNAAGGCTTGAAAATAAACTTTCTTTTGC
 ATTTCTTTNAGAATGNTNGNTCATTAAACAACTTTTAACCTTATCTTCCNTTCTNCTTAG
 CCCTTAACAGACNGAGTNCATTCTATGNTGGAAATAACAAGAACTTGA

SEQ ID NO: 3466: found in patent publication WO99/53040 (SEQ ID NO:7)
 CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGAAAGCAGAGCTAGTAATGCTTTTTGAGT
 TTCATGTTGGTTTATTTTACAGATTGGGGTAACGTGCACTGTAAGACGTATGTAACATG
 ATG

SEQ ID NO: 3467: found in patent publication WO99/53040 (SEQ ID NO:8)
 CCCTTTCGAGCGGCCCGGGCAGGTGCTCAAAATATAAGCAGCTTGAACTGGCTTTA
 CCAATCTTGAAATTTGACCACAAGTGTCTTATATATGCAGATCTAATGTAAATCCAGAA
 CTTGGACTCCATCGTTAAAATTATTTATGTGTAACATTCAAATGTGTGCATTAAATATGC
 TTCCACAGTAAATCTGAAAACTGATTTGTGATTGAAAGCTGCCTTTCTATTTACTTGA
 GTCTTGTAACCTCGGCCGCGACCAACGCTAAGGG

TABLE 8B

SEQ ID NO: 3468: found in patent publication WO99/18126 (SEQ ID NO:9)
GATATCTGCAGAATTCGCCCTTTTCGAGCGGNCGCCCGGGCAGGTACGCGGGAAATAATGC
TTGAATACAAGTGACTAAGCCAACAACAGAATAAATACTTTTATAGTAGTTTTATAATCC
TGAAATTCGAAAGCTTTCCCAATTGCACTTGATCTAAACAAAAGTGTTCAGTTTTTAC
TCTATTTATTTTTGTTCCCATGTTTATGAAAGTCCTGCACAGTTTCAAAGGCATGGTAAA
TAATATATCAATGTTTATGTAGTCTGTTACAGAAACAGCTATAGATAACATTATCCAGTG
AAGAGCAAAATCCAAGCTTTAGAAAAATATTTCATGCATGCAATTTTGACATATCTTAAAA
AATAGGT

SEQ ID NO: 3469: found in patent publication WO99/55858 (SEQ ID NO:10)
CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACGCGGGGATGAAGCAATTGCTGAATTGGATAC
GCTGAATGAAGAGTCTTATAAAGACAGCACTCTGATCATGCAGTTACTTAGGGACAATCT
CACTCTGTGGACATCGGAAAACAGGGAGACGAAGGAGACGCTGGGGAGGGAGAGAACTA
ATGTTTCTCGTGCTTTGTGATCTGTTTCAGTGTCACTCTGTACCTCGGCCGCGACCACGCT
AAGGG

SEQ ID NO: 3470: found in patent publication WO99/57132 (SEQ ID NO:11)
CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGG
GATTCCTGGTAAAATTTTATCCAAAAACAGGATACATATATATTTAGAGAAGGAAATAT
GAAATCAAGAGTTTTGGCAGCCCTGCTTTTTTTTTTTTTTTTTTAGCTCCCTAAAGACTGTA
GCAGGATAAAAGGATCACTGGCTCCGAGTCTCTTTGAGATAACAAGTGATGAAATAAAAA
AGAAAGCCCATACCTCAATAAGGTCAAGTAACCCATTGCCACCCCTCCCTACAAGGN
AA

SEQ ID NO: 3471: found in patent publication WO99/63088 (SEQ ID NO:12)
CCCTTAGCGTGGTTCGCGGCCGANGTACAGTGGGAGAGTGAGGTGGGAGAAGAAGAGTGTC
TGGTAGGTGTGCTCACTGTCTTCTTGGCTGANAATGT

SEQ ID NO: 3472: found in patent publication WO99/64576 (SEQ ID NO:13)
CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTNTTTTTT
TTTTTTTTTTTTTTTTTAAAAAACTCGGNTTTTATACAATAAAATGTTTTNTAGCANATGCCT
NTTGTTTTTAATATATTAATAATTTTGCAAANCCCTTTGAGCTACTGCCTTAGTNTACCCAC
TGNCNTTTTGTATGNGGNAGAGGATNTNATGACNCCNTACACACAAACCCNT

SEQ ID NO: 3473: found in patent publication WO99/04265 (SEQ ID NO:14)
CCCTTAGCGTGGTTCGCGGCCGAGGTACATGGGCAATGCTGGACGTAAAGAAAGAAGTGAT
GCACTCAATTCTGCAATAGATAAAATGACCAAGAAGACCAGGGACTTGCGTAGACAGCTC
CGCAAAGCTGTCATGGACCACGTTTCAGATTCTTTCCTGGAAACCAATGTTCCACTTTTG
GTATTGATTGAAGCTGCAAAGAATGGAAATGAGAAAGAAGTTAAGGAGTATGCCCAAGTT
TTCCGTGAACATGCCAACAATGATTGAGGTTGCCAACTTGGCCTGTTCCATCTCAAAT
AATGAAGAAGGTGTAAAGCTTGTTGCAATGTCTGCAAGCCAGTTAGAAGCCCTCTGTCTCCT
CAGGTTATTAATGCTGCACTGGCTTTAGCAGCAAAACCACAGAGTAAACTGGCCCAAGAG
AACATGGATCTTTTTTAAAGACAATGGGAAAAACAAGTCCGTGTTCTCACAGATGCTGTCTG
ATGACATTACTTCCATTG

SEQ ID NO: 3474: found in patent publication WO99/57144 (SEQ ID NO:15)
CCCTTAGCGTGGTTCGCGGCCGAGGTACCAAGATTAACAAAAGCAGTGGCATTGTGGAGGC
ATCACGGATCATGAATTTATACCANTTTATTCAACTTTATAAAGATATACAAGTCAAGC
AGCAGGAGTATTGGCACAGAGCTCCACCTCTGAAGAACCTGATGAAAACCTCATCCTNTGT
AACATCTTGTGAGGCTATGTCTTTGGATGGGAAGGTGAAGCAGCTGACCGATGAGGAGG
AGNGTNGTATCTGTATGGATGGGCGGGCTGACC

SEQ ID NO: 3475: found in patent publication WO99/64594 (SEQ ID NO:16)
CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTT

TABLE 8B

SEQ ID NO: 3476: found in patent publication WO99/53940 (SEQ ID NO:17)
 CCCTTAGCGTGGTCGCGGCCGAGGTACCAAGGTGTGCTGAAGTGGAAGCAAAGTTCTCCA
 AAGTCCAGCATGGTAGACATCAGTGGTGGTAACCAAGGACAGACCCCAAGGCAAGGTGAA
 CCTCAAAAATGGAACCTCAAGTCTATGCAGTCCAGCTGCCCTCCCCACCAGAAAGTCCTT
 GTTCCAGCCCAACATCANTGCCTCTGAGTTTGTCTTACTAGAAACAAAGGAAGAATTTCTT
 TGTAAAAATATAGACAGAGTAGTCCCTGGCTTTCTCCTCTTGCAGGAAGGATGGATTCTC
 CCATTCCATACCATCTTTGCCCCACACTGGCCCCANGAAATACTTAATTCAACTNTGTGA
 AAATAAAGATTGTTTTTGGTTTTGAGGGGCAAAAAAAAAAAAAAAAAAAAAA

SEQ ID NO: 3477: found in patent publication WO99/06554 (SEQ ID NO:18)
 CCCTTTTCGAGCGGCCCGCCGGGCAGGTACGCGGGGAGTGTCCAGCTGCGGAGACCCGTGA
 TAATGGGGNAACTAATTCAACAAACGGGACCCTTCTGTGTGCCANAAACCGCAAGCAGTT
 GCTAACCCAGTGGGACAGGCGGATTGGAAGAGCGGGAAGGTCCTGGCCCAGAGCAGTGTG
 ACACCTCCCTCTGTGACCATGAAACTCTGGGTGTCTGCATTGCTGATGGCCTGGTTGGT
 GTCC

SEQ ID NO: 3478: found in patent publication WO99/64576 (SEQ ID NO:19)
 ACTTTATTTTTTTTTTTTTTTTTTTTTTTTNNCTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTT

SEQ ID NO: 3479: found in patent publication WO99/48916 (SEQ ID NO:20)
 CCCTTAGCGTGGTCGCGGCCGAGGTACCCGTTGGAATANCGGGTTTTGCAGCAATTGTTG
 CATATGGATTATATAAACTGAAGAGCAGGGGAAATACTAAAATGTCCATTCATCTGATCC
 ACATGCGTGTGGCAGCCCAAGGCTTTGTTGTAGGAGCAATGACTGTTGGTATGGGCTACT
 CCATGTATCGGGAATTCTGGGCAAAACCTAANCCTTAGAAGAAGAGATGCTGTCTTGGTC
 TTGTTGGAGGAGCTTGCTTTAGTTAGATGTCTTATTATTAAAGTTACCTATTATTGTTGG
 AAAATAAACTAANTTTGTATGGGTTTAGATGGCAAAAAAAAAAAAAAAAAAAAAA

SEQ ID NO: 3480: found in patent publication WO99/64594 (SEQ ID NO:21)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTTGAGTTCATGGGCATCTCTCCCGCCGCTCTC
 AGCCTATCTGCACCATGTCTCACACGTTTCAGTTGCAGCTCTTCCGTTTTGAAGGCGCACG
 TGGGCAAGAAGCCCTGGGCAGCACAAAGAAAGTCAATCACGTTGAGACAGAGAGAGCAGGA
 GAGGAAGTGGGCCCCAGTAGAAGTGGGCGAGAGAGCGTTGGGTGGGAACGTGGCAGCAGA
 GAGAGAAATTATGAGATTGACAGAGAGAGAGAGAGAGAGAGAGAAAGAGAAAGAGAGAGA
 GAAAGAGAAAGAGACAGAGAAAAGAACTATGTTGTTTAAATGCCAGTGGAAAGTCCAT
 GGGGGTGAAAGAGTCCGGCAATGGCCAGGGAGTTTAGCAGCTTGGCGTAATGTCTTCCCA
 CTGTTTTGTCTGTCTTGAGAATAGCATTCAACGCGACTGTGTTCCCGCANNACAGACGTTA
 GGCCCGCTGCCCACGCCTTTGAGTCCCCGCGTACCTGCCCCGGGCCGCGCTTCG

SEQ ID NO: 3481: found in patent publication WO99/64594 (SEQ ID NO:22)
 NGTGATGGATATCTGCANAATTCGCCCTTAGCGTGGTCGCGGCCGAGGTNC

SEQ ID NO: 3482: found in patent publication WO98/39448 (SEQ ID NO:23)
 CCCTTTTCGAGCGGCCCGCCGGGCAGGTACGCGGGAATCTTCGACAGCTGGGCTGGAACGT
 GAACTCAGTAGCTGAACCTGTCTGACCCGGTCACGTTCTTGGATCCTCAGAACTCTTTCG
 TCTTGTGCGGGTGGGGTGGGAACACGTTGGGAGCGGTGGCTGAGAAAATGTAAGGAT
 TCTGGAATACATATTCCATGGGACTTTCTTCCCTCTCCTGCTTCTTCTTCTGCTCC
 CTAACCTTTTCGCCGAATGGGGCAGCACCCTGACGTTTCTGGGCGGCAGTGCGGCTGCCA
 GGTTCCTGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3483: found in patent publication WO99/64594 (SEQ ID NO:24)
 CCCTTCGAGCGGCCCGCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTT

TABLE 8B

SEQ ID NO: 3484: found in patent publication WO99/64576 (SEQ ID NO:25)
CCCTTTTCGAGCGGCCCGCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTATT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTATTANCAACANACAAAAAAGTTTAT
TGAATACAAAACTNAAAGGCNTNAACAGTCCTGGGCCCAAAAAATCCATGGCNGGAAGTC
AANANTTNTGCTTNAGGGNCGGCCTGGGCNGCCCTGGAAAAANTCATTGCNCATGANAGN
GATGAGNGCCAGGAAAAACANCATNCTCCTGGAAANTCCNCTGNTGGNCACTGTTTTNATC
CAGGCTGCCCATTANCTTTTNANCCC

SEQ ID NO: 3485: found in patent publication WO99/64594 (SEQ ID NO:26)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTCTTTTCTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTAANAAAAAANAAAAAANAAAAAANANNAAAAAAANA
AAAAA

SEQ ID NO: 3486: found in patent publication WO99/57144 (SEQ ID NO:27)
CCCTTTTCGAGCGGCCCGCCGGGCAGGTACATGAACAATGTCACAGAACTTTTTTAATTTT
TTGAATAATTATAAGTATCAGTAAAGGAAGTGAAAGACAGGATTGCATTTAATAGATAAA
ACGTTTAGGCAATAATTGAACAAAAGAATCCTGGCATATTTCTAACACTAATGGCAATTT
ACTTATGGTATTTATTTTCAGTAGTAAAGACCCAGCTTGAATGTAAATTTGTATAGTGT
AAGTATGAAGAACATAGTGCAACTGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3487: found in patent publication WO99/47663 (SEQ ID NO:28)
CCCTTAGCGNGGNCCCGCCGGGTNCTGGGTCCAATTGCTGTGATCTCTTTTTTGATCA
GCTGTAACTCCATATGTNGTATTTTATTCTTACTAANAAGAAGTNAATTTTCCANCAA
TCACATCCTTNAATGATACTTNGATTTATTATATTCTNAATCNTATANGTAGACAATCNT
CANTGCCCCACTTC

SEQ ID NO: 3488: found in patent publication WO99/04265 (SEQ ID NO:29)
CCCTTTTCGAGCGGCCCGCCGGGCAGGTACATGAACCTCAGGGCCGGTTGTGGCCATGGTCT
GGGAGGGGCTGAACGTGGTGAAGACAGGCCGAGTGATGCTTGGGGAGACCAATCCAGCAG
ATTCAAAGCCAGGCACCATTTCGTGGGGACTTCTGCATTTCAGGTTGGCAGGAACATCATTC
ATGGCAGTGATTTCAGTAAAAAGTGCTGAAAAAGAAATCAGCCTATGGTTTAAGCCTGAAG
AACTGGTTGACTACAAGTCTTGTGCTCATGACTGGGTCTATGAATAAGAGGTGGACACAA
CAGCAGTCTCCTTCAGCACGGCGTGGTG

SEQ ID NO: 3489: found in patent publication WO99/54461 (SEQ ID NO:30)
CCCTTGAGCGGCCCGCCGGGCAGGTACGCGGGATTTAGAAATGGTTTGCCTTAATGGAGA
CAATAGCAGATCCTGTAGTATTTCCAGTAGACATGGCCTTTTAATCTAAGGGCTTAAGAC
TGATTAGTCTTAGCATTTACTGTAGTTGGAGGATGGAGATGCTATGATGGAAGCATACCC
AGGGTGGCCTTTAGCACAGTATCAGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3490: found in patent publication WO99/55858 (SEQ ID NO:31)
CCCTTAGCGTGGTCGCGGCCGAGGTACACAAGAGTTGTCTTAACAAGCTGCACAACTCA
GGCCGAACCTACGCAGCACACTGCTCCAGAAAAGTTAACTGAAGGAAAAAAGGGTCCAC
ATGAAGTAGGTCTCCTAATGCCACAGGTTAACTCTGTTGTTTCTCATGGAAATTAATTT
CACTGGCCGCCAGGACGTCNGTGGAATCCTGATCTCCTGG

SEQ ID NO: 3491: found in patent publication WO99/53036 (SEQ ID NO:32)
CCCTTTTCGAGCGGCCCGCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTGCTGGGAAA
TTTAAATATTTATTTTCAAACCCCTAAAACACTGGAGTATGCTTCACCTAGAAACAGAT
TACAGGACGAATAGCTATAATGAATAAGCAATACAATTTGTATTTGGGATGCAATTGTGT
TGTAAGTTTCAAATAATCAATTTATAAATTTGTTGCTTTTACTTTTACAAAAATATTCA
TTTAACCCATAACATGAGTTGCAAAATTATCTCCAGACTTCTACAGGTGATTATAAACTG
TAATT

TABLE 8B

SEQ ID NO: 3492: found in patent publication WO99/55858 (SEQ ID NO:33)
 CCCTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTC
 TATTTTNGTTNAATTTATTTAANACCACCTCCTTACAACCTCCAGAGAGAAAATNCAAAA
 CAAGAAACAGACTTGGTTTCAAATGCATAACCAGGTGCTGGAGTTTAAAGCATTACTGAT
 AACATTGTTACANAANAATGGCAGCTTACTCCAGGGCACTTCAGTATTCCTGAGGAATAA
 ACATGATTTCTNTTGTCTCCCGCTGGGATGTTCTCAGGTGAAGTCACTGCTCCTGC

SEQ ID NO: 3493: found in patent publication WO99/46374 (SEQ ID NO:34)
 CCCTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGAATTA
 AATTTTATTTTACATTGATAGAAACCATGAAAAACATTTACACTTTCCCATGTTACAGCA
 CAATATTTCAATGGAATATTTCTTGCCATAAATAATATCTTGCTGATTGTGTANAAGTGAA
 ATAACAGTTTATGTTCTTCAAGGTAAAGAAAAATGACATAGTAAATGATTGTTTAAATTT
 TTTAAATCCAGACATAAACATATGGCTTCATTATTAACATCCTGTATAGTCCATTACTAA
 ATTATTTCCATTATCAATTAGCACCCATTTATAA

SEQ ID NO: 3494: found in patent publication WO99/66041 (SEQ ID NO:35)
 CCCTTTCGAGCGGCCCGCCCGGGCAGGTACACGTGCTAGGAAAAAACAGCTTCAGTGTCTT
 TGTTTAAATGTGTTGAACTCATCTTTTTTAAATCTTGAAAAGCCAATTGTTTACTTGAAAC
 TTGAAAATAGCATATTTTTCTGTTTTTGGTTGTTTGTTCATTTGTATTAGCACAAATTTA
 ATGTAATTCCTGGTTTGGAGGCAGCAAGACCTATGAGCAAGAACTATTTACTTGACCCTC
 GTTTTTTCTCTTGTCTTGTGTGGTCTGAAATCTAAAAGTAGACTTTATTATGATAGAT
 TTCCTATAAGCCAATTTCTAATAACAAATA

SEQ ID NO: 3495: found in patent publication WO9931117 (SEQ ID NO:36)
 CCCTTTCGAGCGGCCCGCCCGGGCAGGTACGCGGGGATCCTGTTCTTGGTCCTGATGGGAA
 GACGCATGGCAATAAGTGTGCAATGTGTGCTGAGCTGTTTTTAAAGAAGCTGAAAATGC
 CAAGCGAGAGGGTGAACTAGAAATTCGACGAAATGCTGAAAAGGATTTTGTCAAGGAATA
 TGAAAACAAGTGAGAAATGGAAGGCTTTTTTGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3496: found in patent publication WO99/10363 (SEQ ID NO:37)
 CCCTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTCCTTT
 CTGAATATTTAATTAGGGCAAACAAGATATTTGCATGGGATGCTTCTTAAGTCATCTNA
 AGTAGTTCCCCTTCAGTTCTTAACATGCACTCTCAAATCAACACACCTACCCCAACCCA
 ATACTCATCGCTTCACAGTCATCCAGTAAAGTACCTCGGCCGCGACCACCCTAAGGG

SEQ ID NO: 3497: found in patent publication WO98/39448 (SEQ ID NO:38)
 CCCTTAGCGTGGTCGCGGCCGAGGTACAGCAATATGCTGCGCTTAAGAGTTTAAGTCAAT
 CCTACTTGTGTTGGCATCAGGTCTTTAGGAGATGTAAAAACCCCTCCTTTCCCATTTGC
 ACACGTCACAAACGATTACACACAGGGCTGGGCTGGACAGCTGGCCACAGAGCCCAGCA
 AGTCCTTCTTGGGAGAGAAGAGTTAGGGCTGATACTGAAGGTCTCTTTCACATCTGGGCA
 CACGTCTGCCTTCAGGCTGTAAGAATTTCAATTTGTGCGATTGTTAAATAAAACCAGGAGAA
 AGCAATGCAGGTC

SEQ ID NO: 3498: found in patent publication WO99/64576 (SEQ ID NO:39)
 CCCTTNCCAGCGGCCCGCCCGGGCAGGTACTTTTTAAAACTAATAACTTAAACTTGCC
 ACACGCAAAAAAGAAAACCAAAGTGGTCCACAAAACATTCTCCTTTCTTCTGAAGGTTT
 TACGATGCATTGTTATCATTAACAGTCTTTTACTACTAACTTAAATGGCCAATTGAAA
 CAAACAGTTCTGAGACCGTTCTTCCACCACTGATTAAGAGTGGGGTGGCAGGTATTAGGG
 ATAATATTCAATTTAGCCTTCTGAGCCTTCTGGGCAGACTTGGTGACCTTGCCAGCTCCAG
 CAGCCTTCTTGTCCACTGCTTTGATG

SEQ ID NO: 3499: found in patent publication WO99/55721 (SEQ ID NO:40)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

TABLE 8B

TTTGGTTCCTAAAGCAAGNAACTTTATTATCATTCTTTAAAAANAACCAAGGAAAATTC
ACAACATATGTGAAACACAAACAGCTGNGGTTTAGGAGGTAAACAAAGGACCAACATAGC
CCTGAAATGCAACAGCCTNTGAGTGACTTGANCCNCATGTGACTGGGGTTCTGTAAAAAG
GGCAGGCTCCTCCCTCCTAGCCCTGAAGCCCCAGGA

SEQ ID NO: 3500: found in patent publication WO99/41390 (SEQ ID NO:41)
NTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3501: found in patent publication WO99/64594 (SEQ ID NO:42)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTATTTTT
TTTATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3502: found in patent publication WO98/39446 (SEQ ID NO:43)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTNTTTTTTTTTTTTTTTTTTTGGTTTT
NTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3503: found in patent publication WO99/64594 (SEQ ID NO:44)
CCCTTTCGAGCGGCCCGCCGGGCAGGTACAACATTCTGCTCAACCCACAGGCTCCATTC
CCTTTACCACATATTTATAATATGTTTGGGTCACTCATAGGAGTGAAACACTGTCAGCAT
CAATAGTTAGCAGCACTTTCAAATACATTTTATTGTCCGAATAGAAACCTTAACTATT
CAATTAGTCCAGTAATTCCAAATGGTCTTATTACTTCTATACATAAGATATGATCTTACA
ACATTTATGTAGCTAAATACTTAACTTCCCATGCTTTTTGAGGATTCCCAAAGACTTTA
GGGGGTTCCCAAGACTTTCAGGGTTTTTTTTTTTT

SEQ ID NO: 3504: found in patent publication WO98/41539 (SEQ ID NO:45)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3505: found in patent publication WO98/30695 (SEQ ID NO:46)
CCCTTTCGAGCGGCCCGCCGGGCAGGTACACAATCTTTGCCTTTATTTTCGTAAAGTTTT
ATACAGAAGAGAGAAGAGCATGTCTTTACTTGAAAACTCTTGATCAAGAATTTGGGTGG
GAGAAAAGAAAGTGGGTATCAAGGGTGATTTGAAATTTTCTGCAGCATTAAAGCTGGCG
CTTAATAAGAATAAGTAATAATAAAGAAATTTCTAACATTCAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAANGGTCCCTCGGCCGCGACACNCTANGGG

SEQ ID NO: 3506: found in patent publication WO99/64576 (SEQ ID NO:47)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTACATTATA
AAAGCATTTTATTGAACACATTCTGGAGGTAGTTAGAACCAAAACAAAATTTGGGATTGG
GGTGGGGATTCTGTTTTGATGATTANATTTGGGAAAACCTTTGGGTTCTCGTGTGAGCAG
GGGCCATGCTGTGGGAAACCTGAAGGCTGATTTGAAGCANAATATANAAGTGGGCACGG
GAGACCAGGGGCTGGGAATGGGGCTCTCCTGGGAACCAANAATGTGGTTCTGCAATTGG
CTTGGTCT

SEQ ID NO: 3507: found in patent publication WO98/55614 (SEQ ID NO:48)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTATTTTTTTTTTTTTTTTTTTCTTGACAACC
AGCTATCACCAGGCTCGGTAGGTTTGTGCGCTCTACCTATAAATCTNNCCACTATTTTGN
TACATAGACGGGTGTGCTCTTTTACTAGATCTTAGGTAGCTCGTCTGGTTTNGGGGGTC
TTAGCTTTGGCTCTCCTTGCAAAGTTA

SEQ ID NO: 3508: found in patent publication WO99/64594 (SEQ ID NO:49)
GATGGATATCTGCANAATTCGCCCTTAGCGTGGTCGCGGCCGAGGTACGTAGTNTAGACC
ATATGTGTTGGAGGTTGAGACTAGTANGGCTAGGCCACCGNTNNTTTNNAAGCGGCAAA
GACTAGTATNGTAATAGGCACAATATTGGC

TABLE 8B

SEQ ID NO: 3509: found in patent publication WO99/53040 (SEQ ID NO:50)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTTNGTANAGATTGACTTCCTAAGCTACTTTAAGA
 CAACTTGCACCACCTAAGCAAAAAAATGTACGAACCATTGGAAGAAATTTAGTNGT
 TCCAAGTTTCAAAGAAATGTCAACATTTTATTCCATTCAATAAAGAACAAAACCAATNGT
 GTTTTTATTACTTTTCATCTGAAACATTCCATGTTTTAATCTGAGCCTTGCANACTTTTCAT
 TTGGAGTTTGAACCCGTTTTGGTTGCATTTTCATTTTGGAGAACTTAATTAACGTGAGAT
 TGGCAATTGAAATGCAG

SEQ ID NO: 3510: found in patent publication WO99/64576 (SEQ ID NO:51)
 CCCTTAGCGTGGTCGCGGCCGAGGTACACATTGTATTATATACAAACAAGCAACAACAAA
 AAGTTTCATCATGTAAACAAAAGAATATAAATTATAGACATAATTGGAAGTTTCAAACAG
 TCCTTAAATCATTGTGAGCTTCTCTAAAAGGCACAGGTCTTGGAGTGTGGGCACAGAGCC
 ATTAGTCAGATGTCTGGGTGGTCTCCCATATAGCAATGTATACTCTTAAGTGGGCTTTT
 TGTGAACTCTGTCGGGGTGAATGAGTTAGGCCTCTTAAAGGAATGAAATGCTTTTCACATT
 TGGGGCAACAAGTAAAAAATACTGAAAG

SEQ ID NO: 3511: found in patent publication WO99/64594 (SEQ ID NO:52)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTNAAAT
 TCCAACCANAAGCTAAATACAATTGGAAGTGGTAAGCACTANTTTTACTCCAAAGGAGT
 AGGATCATTCAAATTTACTCCAATAAAAGTNTGCAACCCTTAANCAAAGCTTTTNTTCAT
 TTAAAAGGANAAAAAATAACCTATNCAGTAGTCTTTCCTTATGTTTCATTGCACAAAA
 TGAGTTCTGN'TTTTAAACTTTGACACTCAATGGTTAATTTTACAATTNAANATTCCAAC
 TTTATAACCT

SEQ ID NO: 3512: found in patent publication WO99/64576 (SEQ ID NO:53)
 CGCCCTTAGCATGGTCGCGGCCGAGGTACAGAGATAGATGAATGGAAATGGGTAAAGGGAG
 GTGTTTCATTACATCCATCTAACTGCAAAATACAAAAGTAAGAAGTCATTGACATGAAGC
 AACGACGACCAAGACGTTCTCAGATCTAAAGGTGAATGATCTCAGTCAGCCTGGAAATGC
 ACAAGGTGGAAAAATAACATAAAAAAGCCATAAGACCTTGAAGAACATCAATGTCAAAGA
 TAAATTCTAAGGTCCCAGAGAAAAAGAATGGGAATCAAATTGACCTCAGACTATACGTG
 AGAAACACGGAGAGCCAGA

SEQ ID NO: 3513: found in patent publication WO99/61610 (SEQ ID NO:54)
 CCCTTACCAGCGGCCNCCCCGNCAGGNNCTCAGGGCCAAAGCGAGGCATNCTTACTGGCT
 TACCTNCTAATGGCANCNTACTCTNCTNGANTGTATNANTANCCANNGTAAGGGGTNAAA
 GGATNGTAAGCATAGAAACCACTAGAAAGTGGGCTNAATGNANTTCTTGTGGCCTNAGCT
 CAATGCAGTTAGCTGAANAATTGAAAAGTTTTTGTGTTGGANACTTTTATAAACAGAAATG
 GAAAGCAGAGTTTTTCATTAAATCCTTTTACCTTTTTTTTTTCTTGGTAATCC

SEQ ID NO: 3514: found in patent publication WO99/24836 (SEQ ID NO:55)
 CCCTTTGAGCGGCCGCCCGGGCAGGTACAAAATGTATAAGATTAATTTTCTATGTTAGGA
 CCATTTGTTTTACCAATTCCATAGAGCTCCAATGTGTAAAAGAAGACACTGATCTAACT
 CTTGTGTTAAATATTTAGTAACTCATTTATCTGGAAGAAAGCAAAACAAAACAAAATAC
 AAGGAATAAAATCACTGGGAGTGCTTTTCATTCACTGAATAATGAGTTTTGCAAGGAGC
 ACGTGGATGGTGACATTATATCTTTTACATCTTTATTTTCTGTTTCTTTTGTACTCCTT
 ATCAGTGAATTTATCTT

SEQ ID NO: 3515: found in patent publication WO99/46374 (SEQ ID NO:56)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTGCCACCAGATTTTTTATTACATCATTTGAAA
 ATTAGCAGTATGCTTAATGAAAATTTGTTTCANGTATAAATGAGCAGTTAANATATAAACA
 ATTTATGCATGCTGTGACTTANTCTATGGATTTATTCCAAAATTGCTTAATCACCATGCA
 GTGCTGTATTTTTATATATGTGTTTCATATATACATAATGATTATAATACATAATAAGAA
 TGAGGTGGTATTACATTATTCCTAATAATAGGGATAATGCTGTTTATTGTCAAAGAAAAA

TABLE 8B

AGTAAAATCGTTCTCTTCAATTAATGGCCCTTTTATTTTGGGACCANGCTTTTATTTTCC
CTGATATTATTTCTATTTAATACTCTTTTCTCTCANGGAAAAAANNATANAANNNNNTN
TGAAAAGTCCTGCC

SEQ ID NO: 3516: found in patent publication WO98/54963 (SEQ ID NO:57)
CCCTTAGCGTGGTTCGCGGCCGAGGTACTGGAAACAAAATAAAGTTTTCTACATTATTTT
CAGCCTTGGGTTATGGTATAGTTTCTTTGTGTTTGTGCGTAATATGCACATTGTCCTTCTA
GGACCTGTCACCCCAACCATGGAGAAAAGAGTCTTTTGGTTCTTTTAAACATAAGTGATTA
GTTTAAAGAGTATGCTGAGGAGCCACTGGGCTTAAAGAAGGATGTAAATAAGACCCAAATA
CATAGGGACCAGGCGCTGCTTTCTCATGTTACAAAAGCAGTCCTCCACCACTGAAC

SEQ ID NO: 3517: found in patent publication WO99/64576 (SEQ ID NO:58)
CCCTTTCGAGCGGCCCGCCGCGCAGGTACGCGGGGATCTTGTTGAAGTCAATCCTCAGTTG
GCCACCTCAGAGGAAGAGGCGAAGACTACAGCTAACCTGGCAGTAGATGTGATTGCTTCA
AGCTTTGGTCAGACAAGAGAAGGAGGGCATATTGTCTATGACCAACTTCTACTCCCAGT
TCACCAGATGAATCAGAAAATCAAGCACGTGTGANAATTTAGGAGACACTGTGCACTGAC
ATGTTTCACAACAGGCATTCCANAATTATGAGGCATTGAGGGGATAGATNAATACTNAAT
GGTTGCTCGGGTCAATACTGCC

SEQ ID NO: 3518: found in patent publication WO99/64594 (SEQ ID NO:59)
NGAGCGGCCCGCCATNTGTGATGGATATCTGCANAATTGCGCCCTTCGAGCGGCC

SEQ ID NO: 3519: found in patent publication WO99/64594 (SEQ ID NO:60)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTNNNNTTTTTTTTTTTCTT

SEQ ID NO: 3520: found in patent publication WO99/64594 (SEQ ID NO:61)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTCTTTGGGGNTTTTTTTTTT

SEQ ID NO: 3521 found in patent publication WO99/64594 (SEQ ID NO:62)
CCCTTAGCGTGGTCGCGGCCGAGGNACTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3522: found in patent publication WO99/28334 (SEQ ID NO:63)
CCCTTTCGAGCGGCCCGCCGCGGCGAGGTACAGATCCTGGAAGGACAAAAGATCCTGGCTAA
CTGTTCTTCTCCCTACCAGGTAGACCTGTTTGGTATAGCAGATTTAGCACATTTACTATT
GTTCAAGGAACACCTACAGGTCTTCTGGGATGGGTCTTCTGGAACCTTAGCCAAAATAT
TTCTGAGCTAAAAGATGGTGAATTGTGGAATAAATTCTTTGTGCGGATTCTGAATGCCAA
TGATGAGGCCACAGTGTCTGTTCTTGGGGAGCTTGCAGCAGAAATGAATGGGGGTTTTTG
ACACTACATTCCAAAAGTCACCTTGAACAAAAGCCTTAT

SEQ ID NO: 3523: found in patent publication WO99/35158 (SEQ ID NO:64)
CCCTTTCGAGCGGCCCGCCGCGGCGAGGTACGAATTTGGTCAGGCTCTCTTCACTGGCTGGG
CTGCTGCTTCTCTCTGCCTTCTGGGAGGTGCCCTACTTTGCTGTTCTGTCCCCGAAAAA
CAACCTCTTACCCAACACCAAGGCCCTATCCAAAACCTGCACCTTCCAGCGGGAAAGACT
ACGTGTGACACAGAGGCAAAAGGAGAAAATCATGTTGAAACAAACCGAAAATGGACATTG
AGATACTATCATTAACATTAGGACCTTAGAATTTTGGGTATTGGAAATCTTGAAGTATGG
GTATTTTCAAAAACAAAACAAAACAAAAAACCNTGTGTTAAAAATACTTCNANGTG
CNTAAACAATGGGCTTTAAATCTTATTTTTTTAAT

SEQ ID NO: 3524: found in patent publication WO99/11293 (SEQ ID NO:65)
CCCTTTGAGCGGCCCGCCGCGGCGAGGTACGCGGGCCCTTGGACCACCTTCATGTTAGTTGG
GTATTATAAATAAGAGATAACAACCATGAATATATTATGTTTATACAAAATCAATCTGAAC
ACAATTCATAAAGATTTCTCTTTTATACCTTCCTCACTGGCCCCCTCCACCTGCCCATAG
TCACCAAATTCGTTTTTAAATCAATGACCTAAGATCAACAATGAAGTATTTTATAAATGT
ATTTATGCTGCTAGACTGTGGGTCAAATGTTTCCATTTTCAAATTATTTAGAATTCCTAT

TABLE 8B

GAGTTTAAAATTTGTAAATTTCTAAATCCAATCAT

SEQ ID NO: 3525: found in patent publication WO99/46375 (SEQ ID NO:66)
 CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTCTTTTCTTAATTA
 CGCATTTTAAATATCAATATGTGCATTTGTTTTTACAGTTATAAAATTTTTTCTCACCTG
 TTTTAGACAACAGCTTGTAATAGTTTTGAATCCATTAAGATGTTGCTTTCAATTTGAAAT
 ATTTTGTGTATACATGTATATAAAAAATAACCCAATGTATGACTCATCTGACCGATGTTT
 AAGATCAATAACGGCTTATTTTTTCAACATGCAGTTAGGAAGAGAGGGAAGCAAACCAACC
 TNTNTACAGTATCTTTTTTGCTGGCTTGTTT

SEQ ID NO: 3526: found in patent publication WO99/64594 (SEQ ID NO:67)
 CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3527: found in patent publication WO99/64584 (SEQ ID NO:68)
 CCCTTAGCGTGGTCGCGGCCGAGGTACACTATTAGTGGGAAAGTAAATTAGTATAGTTGC
 TATGGAGAATAGGATGGAGTTTCTCAAGTAACTAATTATTGNAATTACCATATGATTG
 AACAAATCACATGGCTGGATATATATCTAAAAGAAAGAAAATCAGTATATTTGAAGAGATA
 CCTGCACTCTCATGTTTATTGCAGCACTGTTTCACAGTAGTCAAAGGTTTATGAAGCCAC
 ATAGCCTTGTTAGTAAGCTCAAGAGTACCTGCCCCGGCGGCCGCTCGAAAGGG

SEQ ID NO: 3528: found in patent publication WO99/64594 (SEQ ID NO:69)
 CCCTTAGCNTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTACTTT

SEQ ID NO: 3529: found in patent publication WO98/39448 (SEQ ID NO:70)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTGTGGGAAGGGGAGTTGGGCACTCTTGAGGAC
 TCCTGCTGAAGGTGGTCAGCCTGCCTGACAATGGAAGACATACTTGAATGGGGAGCAGGG
 TATGTGCTTTTCATATGAAAAAGAGCTGATGTTAAACTCATTTGGTGAGGTCAACGTTG
 TCACATACTTNACATAAGGGATAGTATATTTTGGGTGTCAGTCAAACCTTGCTGCTCAGAC
 TGGTGAAACTGNGAGTCAGGCTTTTACATTTTAAANAGAAAATACAGTTTTTTTCA

SEQ ID NO: 3530: found in patent publication WO99/64594 (SEQ ID NO:71)
 CGGCCGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCCGAGG
 TACTTTTTTTTTTTTT

SEQ ID NO: 3531: found in patent publication WO00/00610 (SEQ ID NO:72)
 CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACTGAAAATCTTACGGAGAGTTAAAAATAATAC
 TAATCCTCGCCCGGCTGAACTGGAATTCTTGACAGTTACAAAGTTAAATTTCAAGTAAAC
 ACTGTATTTTTCACTTTTTGTAGACAGACACAGTGCAGATACAAACAGCTGCCATATCTC
 ACCTCAGATGAAGCTATGTGTCAATGCTTAGGGAAAATGATCTTAGATAATTTCCCAATT
 TTATAGAGCTTAAATCTTTGAAAACAGCACTAATACTGCTGGTTGACTGGCTATCTACAA
 CAGCAAAGTGAACATAAAGTTTTGACGATGAGAGGTTTCCCAAAGAACTAATATA

SEQ ID NO: 3532: found in patent publication WO99/64594 (SEQ ID NO:73)
 GTGTGATGGATATCAAGCAGAATTCGCCCTTGAGCGGCCCGCCCGGGCAGGTACTTTT

SEQ ID NO: 3533: found in patent publication WO99/63069 (SEQ ID NO:74)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTGTCTGT
 TTATAAATACATGTGTTCAAACAATCTTGATTAGGAGCATTTTAATCACGAAGCCAACAC
 ATGTTACTGCGTATCTGTTTAAATCTGGTAGTTGCTTAATGGGACCAACAGCAGCAATA
 GCTGGACTCCATTATAAATGTATTTGGTACCTGCCCGGGCGGCCGNTCNAAGGGCN

SEQ ID NO: 3534: found in patent publication WO98/31815 (SEQ ID NO:75)
 CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACGCGGGGTTCTGAAGCGGCGGCCAGAGAAGA
 GTCAAGGGCACGAGCATCGGCCATGCCTTTCTTGGACATCCAGAAAAGGTTTCGGCCTTAA

TABLE 8B

CATAGATCGATGGTTGACAATCCAGAGTGGTGAACAGCCCTACAAGATGGCTGGTCGATG
CCATGCTTTTTGAAAAAGAATGGATAGAATGTGCACATGGAATCGGTTATACTCGGGCAGA
GAAAGAGTGCAAGATAGAATATGATGATTTTCGTAGAGTGGTTGCTTCGGCAGAAAACGAT
GAGACGTGCAGGTACCTCGGC

SEQ ID NO: 3535: found in patent publication WO99/64594 (SEQ ID NO:76)
GATATCTGCAGAATTCCGCCCTTAGCGTGGTCGCGGCCCGAGGT

SEQ ID NO: 3536: found in patent publication WO99/53040 (SEQ ID NO:77)
CCCTTTGAGCGGCCCGCCGGGCAGGTACGCGGGTCCAATGAGGAGAGGAATCTTCTCTCA
GTTGCTTATAAAAATGTTGTAGGAGCCCGTAGGTCATCTTGGAGGGTCGTCTCAAGTATT
GAACAAAAGACGGAAGGTGCTGAGAAAAACAGCAGATGGCTCGAGAATACAGAGAGAAA
ATTGAGACGGAGCTAAGAGATATCTGCAATGATGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3537: found in patent publication WO99/53036 (SEQ ID NO:78)
CCCTTTGAGCGGCCCGCCGGGCAGGTACCATGATAGAATACTGCAATTGTGGTCAGAAT
TACAGTATGCACAAAGAATTAATTAGCATTATTAAAGAGTCCTCACTAAACATTTTCATAT
GATCACACTGAAGAACTGTAACATTCCATAGAGTGAAGTGGTTCAAATTTCTCTTGGAAAT
TTTTACTTTTGTGGCCTTATTTTATGATCCTTTTCATATTTCTTTTGAAGTACTAGAGTATT
AATACATGGCCAAAATAATTTAGTTACTACCTCATACAAACAATATAATGGTTACTACAC
ATCACAGGAACCTTAGTTTTGGTTTAA

SEQ ID NO: 3538: found in patent publication WO99/54353 (SEQ ID NO:79)
CCCTTTGAGCGGCCCGCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCC
ATNCAACTTAAATNCTTTTATTGACAATGTTTTGGAACAATAANCAACAATGCTTANAT
TTTTNATTNAAATTNACTTTCCACATNTNATAANACCTTAAGGTNAAAAAAAATAAAAAAN
AAAAANNAATATNTGAGAATCCATTTNATTAAATAA

SEQ ID NO: 3539: found in patent publication WO99/64594 (SEQ ID NO:80)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTGNTTTTTT
TTNTTTTTTTTTTTTTTTTT

SEQ ID NO: 3540: found in patent publication WO99/03990 (SEQ ID NO:81)
CCCTTTGAGCGGCCCGCCGGGCAGGTACGCGGGGGGGTTCGACTGACGGTAACGGGGCA
GAGAGGCTGTTTCGCAGAGCTGCGGAAGATGAATGCCAGAGGACTTGGATCTGAGCTAAAG
GACAGTATTCCAGTTACTGAACTTTTCAGCAAGTGGGCCTTTTGAAAGTCATGATCTTCTT
CGGAAAGGTTTTTCTTGTGTGAAAAATGAACTTTTGCCTAGTCATCCCCTTGAATTATCA
GAAAAAAATTTCCAGCTCAACCAAGATAAAATGAATTTTTCCCACTGAGAAACATTTCAG
GGTCTATTTGCTCCGCTAAAATTACAGATGGAATTCAAGGCAGTGCAGCAGGTTTCAGCGT
CTTCCAT

SEQ ID NO: 3541: found in patent publication WO99/64594 (SEQ ID NO:82)
CCCTTTGAGCGGCCCGCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTT

SEQ ID NO: 3542: found in patent publication WO99/03990 (SEQ ID NO:83)
CCCTTAGCGTGGTCGCGGCCGAGGTACAAAAGGCCAAAAAAGTCCCAAAC
ACCAAGAGACAAAAGGTAGGAGGAAAGACAAGAAAGGAAGATACAAAAGGAGCAGGAAGA
AACTTACTTAGGGACAAGATTAGCA

SEQ ID NO: 3543: found in patent publication WO99/64594 (SEQ ID NO:84)
CCTCTACATGCATGCTCGAGCGGCCCATTTGTNATGGATATCTGCANAATTCTC

TABLE 8B

SEQ ID NO: 3544: found in patent publication WO99/64594 (SEQ ID NO:85)
CCCTTAGCGTGGTCGNTNTTCGAGGTNCTTTTTTTTTTTTTTTTTTTTTGNTTTTTTTTTTTG
NTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3545: found in patent publication WO99/57132 (SEQ ID NO:86)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTGGGTNT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTGGNAAAAAAAAATAAANTTTTNNTTTTTTT

SEQ ID NO: 3546: found in patent publication WO99/03990 (SEQ ID NO:87)
CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGAAACGGAAGTGAGCGGCGGGGTCGAC
TGACGGTAACGGGCGAGAGAGGCTGTTTCGAGAGCTGCGGAAGATGAATGCCAGAGGACT
TGGATCTGAGCTAAAGGACAGTATTCCAGTTACTGAACTTTCAGCAAGTGGACCTTTTGA
AAGTCATGATCTTCTTCGAAAGGTTTTCTTGTGTGAAAAATGAACTTTTGCCTAGTCA
TCCCCCTGAATTATCAGAAAAAATTTCCAGCTCAACCAAGATAAAATGAATTTTCCAC
ACTGAGAAACATTACAGGCTCTATTTGCTCCGCTAAAATTACAGATGGAATTCAAGGCAGT
GCAGCAGGTTTCAGCGTCTTCCATTTCTTTCAAGCTCAAATCTTTCACTGGATGTTTTGAG
GGGTAATGATGAGACTATTGGATTTGAGGATATTCTTAATGATCCATCACAAAGCGAAGT
CATGGGAGAGCCACACTTGATGGTGGAAATATAAACTTGGTTTACTGTAATAAGTGTGCTG
NTCATGGAAACCGAAGGGCTGCATCTTGTTTATAGTCATCTTTGTCCTGCCCGGGCC

SEQ ID NO: 3547: found in patent publication WO99/54448 (SEQ ID NO:88)
CCCTTAGCGTGGTCGCGGCCGAGGTACAGTTTGAAATACTATTTTTTATCAAGTTTTATA
AAAATGCAGAAATTTTGTGTTTACATTTTTTTTTTTTTTAAAAGCTATGTTGTTAGCACACA
GAACACTTCATTGTTGTTTTTGGGGGAAGGGGCATATGTCACTAATAGAATGTCTCCAAA
GCTGGATTGATGTGGAGAAAACACCTTCCCTTCTAGTTTTGAGAGACTTCCTCTTGGCT
CCCAGGAGGAGGGATTCCCTGACTTTGACACACATGGCCACCTTGGCACAAAAGCCTTGT
GGTATAGAAAAACAAATTTGTTTTTATGTCCTCTTCTCCCTTTCCATCTTTCAGCATAGA
CTTAACTCCCATAAGCCCAGACATCTGTTGAGACCTGACCCCTAGTCATTGGTTACCAGT
GTGTCAGGCAATCTGGACTTTCCAGTGATGCCACTGAGATGGCACCTGTCAAAGAGCAG
TGTTTCCATTTCTAGATTGNGGATCTTCANATAAATTCTGCCATTTTCATTTCACTTCCT
GAAAGTCAGGGTCGGCTT

SEQ ID NO: 3548: found in patent publication WO98/33916 (SEQ ID NO:89)
CCCTTTTCGAGCGGCCCGCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTGTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTNCNNAAAAAANTTNAANAANTTNNNAAAACCNNAAAA
AAAAAAAAAAAAAAAAANGGGAAAAAAAAAAGGGGGGAAAAAAAAAAAAAAAAAAAAAT
NGGGGNCCCGGGGG

SEQ ID NO: 3549: found in patent publication WO99/54460 (SEQ ID NO:90)
CCCTTCGAGCGGCCCGCCGGGCAGGTACTAATTTTGTCTTTATATAGTTTGCGTTTGA
TATTAGTGCTTGCAATTGTATTAAAGTCAAAGCTGATTTTTATGGCATAACAAGAATG
CCACTTTTTCTTTTATTTTCATACCAATAATTTAAAGATTGATATGCTAAAAACAATTTGC
ACAGCACTAAAGCATGAGCTACTTTCATCTAAACCTGTAAAAATATGAAAGATTTTTATA
TTTTTTCACTGGGAAGAAATTTCTTCTGGATGAAATTACAAATATGTGTAGAATATATTT
AATAAAGACTTATAAAATACCTAACTACAGGACTTAAATATAGATTGGCGCGTAGTAT
ATAGAACAATATTCCATATAAATAAGTTTAGCCTTTATAAAAAATGAAGTTGCAGGCTGAC
ATTACATTCTGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3550: found in patent publication WO99/51727 (SEQ ID NO:91)
CGGCCCGCCCGGCAGGTACGCGGGGAGCTACAAGTTTAGCAACTCGGGGAGCAGAATCAC
CTGTGCAAAACAGGACTCCTGCAGAAGTCAACTGTGTGAGTGAGATAAGGCTGCTGCCAC
CTGTTTTGCTAGAAACANGACGACCTACAATAAAAAGTACCTTGGCCGCTCTAG

TABLE 8B

SEQ ID NO: 3551: found in patent publication WO00/00608 (SEQ ID NO:92)
 CCCTTAGCGTGGTTCGCGGNTCGAGGTNCCTCAAAACACTGGAATGAAAAATGAAAAACA
 GCCAACAGGGAANAGTGTGCGACCCAGGAGAAAGTTAATGCAACAGGACCACAGTTCGTG
 AGTGGAGTGATTGTGAAGATCATTAGCACAGAGCCTCTACCTGGCAGGAAACAAGTCCGG
 GATACTTTGGCAGCAATCTCAGAAGTTCTTTATGTTGATTGCTAGAAGGGGATACAGAA
 TGCCATGCTAGATTTAAACCTCCTGAGGATGCTCAAGCAGTAATAAATGCCTATACANAA
 ATTTACATTGAAACACTTGCTGGAACTCNAGATCCTTTTNTGGTGATCACGAACAAAGG
 TATTGGCAGAAGATTTT

SEQ ID NO: 3552: found in patent publication WO99/53040 (SEQ ID NO:93)
 CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACGGCATTCTGGAATAAAGCAAGAGTGTTTCATT
 CACACACACAGTAGCTTCAAACTGTTTCGATCTGTTTGTTCCTCATGTAGTTTCTAAAGA
 TGGAAAAAAGGACTTTGGTCATCAAGACTACTGTGGCCATATTAGATTACTGGAACATC
 TAAGCATCAGTGTGTGACCATGCGAACAAAAGACTTCGGGGAGTGTCTATTTTTTAAAAAG
 GTTTATGTGTGTCGAGGCAGTTGTAAAAGATTTACTGCAGAATCAAGCCCACTTTTAGGC
 TTAGGACCAGGTTCTAACTATCTAAAAATATTGACTGATAACAAAAGTGTCTAAATGT
 GCCCGCGTACCTCGGCCCGCGACACGCTAAGGG

SEQ ID NO: 3553: found in patent publication WO99/64576 (SEQ ID NO:94)
 CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACGCGGGGAGGCATTGAGGCAGCCAGCGCAGG
 GGCTTCTGCTGAGGGGGCAGGCGGAGCTTGAGGAAACCGCAGATAAGTTTTTCTCTTTG
 AAAGATAGAGATTAATACAACACTTTAAAAATATAGTCAATAGGTTACTAAGATATTGC
 TTAGCGTTAAGTTTTTAACGTAATTTTAATAGCTTAAGATTTTAAGAGAAAATATGAAGA
 CTTANAAGAGTAGCATGAGGAAGGAAAAGATAAAAGGTTTCTAAAACATGACGGAGGTTG
 AGATGAAGCTTCTTCATGGAGTAAAAATGTATTTAAAAGAAAATTGGGAGAAGGGACTA
 CAGAGCCCCGAATTAATACCAATAGAAGGGCAATGCTTTTAGATTAAAATGAAGGTGACT
 TAAACAGCTTAAAGTTTAGTTTAAAAGGTTGTAGGTGATTAAATAATTTGAAGGCGATC
 TTTTAAAA

SEQ ID NO: 3554: found in patent publication WO99/54461 (SEQ ID NO:95)
 ATGGATATCTGCAGAATTCGCCCTTTTCGAGCGGCCCGCCCGGGCAGGTACGCTGCTTGGAC
 TTATTTTCTAATGCAGCCCACTGGGCTTCAAAGGATCCACTGGGCAGGTGCCTGTAGGA
 ACCTCTGTATGCCTGTCTGCTGAGGCCAACCTGCCATCATCTACACCATTGAAAGCTGCA
 GAACCGTTGAGGTGCTGAGCAGGAGGCTTAAAGAAGGGGCTGGT

SEQ ID NO: 3555: found in patent publication WO99/46375 (SEQ ID NO:96)
 AGCGGCCCGCCCGNCAAGGTNCATACTATTCTGCACTTTTCCACCAAAGCANTGGTGTGN
 NATGCTTGTTATATAAAAAAAGTTATATCCTGTGGCAGGAAAAACCCTTNCTCTTTCACT
 TTTACTAAACAACCTGGAGAAAATGTTCAAGTCTGTATAAAGTTGCCTATAAGCTGGAAAG
 TGAACCTGTTCAATCTNCATTTACATTTNANNGCATTTTTTGACAATTGTCACATTTTAA
 ACAAAGTAAGAAAATGCATATAGCACTAAAGAGTGTTTCATCAAATGCTTAAGGGAT

SEQ ID NO: 3556: found in patent publication WO98/14596A (SEQ ID NO:97)
 CGACCACGCGTCCGCNCAACCCACCAACGCCACGCTCAGCACCTTCATTGAGGACCTGAA
 GAAGTACGGGGCTACCACTGTGGTGCCTGTGTGTGAAGTGACCTATGACAAAACGCCGCT
 GGAGAAGGATGGCATCACCGTTGTGGACTGGCCGTTTGACGATGGGGCGCCCCCGCCCGG
 CAAGGTAGTGGAAGACTGGCTGANCTGGTGAAGGCCAAGTTCTGTGAGGCCCGCCGNCAG
 CTGCGTGGCTGTGCACTGCGTGGCGGGCCTG

SEQ ID NO: 3557: found in patent publication WO99/04265 (SEQ ID NO:98)
 TCGCCCCGCGTCCGGACCCCAAACCTTAAACATACTGAGAATCTTTCAGCNCGCCCTGGAG
 GGAGGGCCAGCGTGGACACCAANGAGGCTGANGGCGCCCCCAGGTGGA

TABLE 8B

SEQ ID NO: 3558: found in patent publication WO99/53040 (SEQ ID NO:99)
CGCCCCGCGTCCGTTCTTTTGTCTATTTGCTGTTGATTGTACCAAGGGATGGAAGAAGTA
AATATAGCTCAGGTAGCACTTTTATACTCAGGCAGATCTCAGCCCTCTACTGAGTCCCTTA
GCCAAGCAGTTTCTTTCAAAGAAGCCAGCAGGCGAAAAGCAGGGACTGCCACTGCATTTT
ATATCACACTGTTAAAAAGTTGTGTTTTGAAATTTTATGTTTAGTTGCACAAATTGGGCCA
AAGAAACATTGCCTTGAGGAAGATATGATTGGAAAATCAAGAGTGTAGAAGAATAAATAC
TGTTTTACTGTCCAAAGACATGTTTATAGTGCTCTGTAAATGTTCCCTTTCTTTGTAGTC
TCTGGCAAGATGCTTTAGGAAGATAAAAGTTTGAGGAGAACAAACAGGAATTCTGAATTA
AGCACAAGAGTTGAAGTTTATACCCGTTACATGCTTTTCAAGAATGTCNCAATTACTAA
GAAGCAGATAATGGTGTTTTTTTAGAAACCTAATTGAAGTATATTCAACCCAAATACTTT
AATGTATAAAATAAAATATTATNCCAATATACCTTGATGCAAGTTTCTGNNTTACATTT
TGATTTTTTNCAAAT

SEQ ID NO: 3559: found in patent publication WO99/46375 (SEQ ID NO:100)
CCCTTTCGAGCGGCCCGCCCGGGCAGGTACATACTATTCTGCACCTTTCCACCAAAGCAG
TGGTGTGTTATGCTTGTTATATAAAAAAGTTATATCCTGTGGCAGGAAAAACCTTTCT
CTTTCACCTTTTACTAAACAACCTGGAGAAAATGTTCAAGTCTGTATAAAGTTGCCTATAAG
CTGGAAAGTGAACCTTGTTCAATCTCCATTTACATTTTAGTGCAATTTTTGACAATTGTCA
CATTTTTTAACAAAAGTAAGAAAATGCATATAGCACTAAAGAGTGTTCATCAAATGCTTA
AGGGATTAAAAAATATGGAGCAGAGAACAAATCATTGTGAATGGATGAACCTGTTGTA
ATGAAAAAAGTCCAGGCAAAGTTGTTACAAGTCTTTTGTCACTTTGATGAGTCACAGAAA
ATGAACCTTTGGATACCTGTCCACTTTAAGGGTTTTTTCCTTAATCTTTTGC

SEQ ID NO: 3560: found in patent publication WO99/21994 (SEQ ID NO:101)
CCCTTTCGAGCGGCCCGCCCGGGCAGGTACGCGGGGGACTATATTCTGGAGTCTATGCCT
CATACCCACATTCAGTGGTTTAGCATTATGAATTCCTGGTCATTGTTCTCTTTATCT
GGAATGGTAGCTATGATTATGTTACGGACACTGCACAAAGATATTGCTAGATATAATCAG
ATGGACTCTACGGAAGATGCCAGGAAGAATTTGGCTGGAACTTGTTTATGGTGATATG
TTCCGTCCTCCAAGAAAAGGGATGCTGCTATCAGTCTTTCTAGGATCCGGGACACAGATT
TTAATTATGACCTTTGTGACTCTATTTTTTCGCTT

SEQ ID NO: 3561: found in patent publication WO98/25957 (SEQ ID NO:102)
CCCTTTCGAGCGGCCCGCCCGGGCAGGTACGCGGGGATCATAGGCTGTTTTAAGTTAGAAA
ACTGAATAGCAACACTGAATACTGTAGAAATGCACCTTTGCTCAGTAATACTTGAGTTGTT
GCAATATTTGATTATCCATTTGGTTGTTACAGAAAAATTCTTAAGTGAATTGATGGTTG
TTGCCGTAATAGTATATTGCCTGTATTTCTACCTCTAGTAATGGGCTTTATGTGCTAGAT
TTTAATATCCTTGAGCCTGGGCAAGTGCACAAGTCTTTTTAAAGAAACATGGTTTACTT
GCACAAAACCTGATCAGTTTTTGAGAGATCGTTAATGCCCTTGAAGTGGT

SEQ ID NO: 3562: found in patent publication WO99/47669 (SEQ ID NO:103)
CCCTTAGCGTGGTCGCGGCCGAGGTACTGCCAGATTCGTCTAAATGTCTGTATGTCCAG
ATTTACTTTGCTTCTGTTACTGCCAGAGTTACTAGAGATATCATAATAGGATAAGAAGAC
CCTCATATGACCTGCACAGCTCATTTTCTTCTGAAAGAACTACTACCTAGGAGAATCT
AAGCTATAGCAGGGATGATTTATGCAAATTTGAACTAGCTTCTTTGTTACAATTCAGTT
CCTCCCAACCAACCAGCCTTCACTTCAAGAGGGCCACACTGCAACCTCAGCTTAACATGA
ATAACAAAGACTGGCTCAGGAGCAGGGCT

SEQ ID NO: 3563: found in patent publication WO99/54461 (SEQ ID NO:104)
CCCTTAGCGTGGTCGCGGCCGAGGTACAAATGTCAAAGAGAAGTATTATTGCATCTAGTA
AACCTAAGACACAGAGACACGGATATACTATACTCCAGAAAATCACAATATCTACCTCAA
AGGTGACTAGAAGAAAGACCAAGGGTATTTATTAACAAACATTTTCTTTAATCTGGAAT
TGTCACATGTTCCAGAGAAGAGAGGGAGAACCACCAACCCACAGGCCTGCCACCTATCAGC
TAAGAGGCATCTGTGCAGATCTTTATCATAATACTTTCTCAGGTTATTTCCAAATCCAA
TTTAATGGATATTCAACTGACACTCAAGAGTCAGCTTTAAAGGACTATA

TABLE 8B

SEQ ID NO: 3564: found in patent publication WO99/57132 (SEQ ID NO:105)

CCCTTAGCGTGGTCGCGGCCGAGGTACTAAGAAGAACATGAAACTGTTTCCGTCTCAATT
CCAGCTTATCTTCAACACTTTCTTTAATGTGTGAAAGATGCTCTAATTCTTTTCCCAGAG
CCTCTAGTTCCTTTAATGTCTCATGCCTGTCTGGATGGTGCTGAATCACTTTTGCCAAAG
CATCATATTCTTGGCGATTTTTTCGTATTGCTTTTGCTTGAAGAATTTGCTTTTTGCACT
CAGCAATTTTTTCATGTGCTCCAGCTATGCTACATTCTATTTCTTGTAATTTTTTCAT
AATTTTCCATTTCTCTGAGATTCATATCATATACTA

SEQ ID NO: 3565: found in patent publication WO99/01465 (SEQ ID NO:106)

CCCTTAGCGTGGTCGCGGCCGAGGTACCCAACACTACGTTGAAGTATTCTTTTATCCCTGC
CACAACCTTCATTAACCGCATACTCCTTATTATCTGTGTTTCCACGAGATTTCTTGTAATT
TGCATAATCCTCAAGAATGGAATCCACATTCTTCTTGGCAGGAAGATAAAAGAGCTGTTT
TTGCCTGGTAATTAAGTCCCAGTCATCAACAAGCCACGGTTTTAGCTCTTCCCCGCGTAC
CTGCCCCGGGCGGCCGCTCGAAAGGG

SEQ ID NO: 3566: found in patent publication WO98/56804 (SEQ ID NO:107)

CCCTTTGAGCGGCCCGCCCGGGCAGGTACAAATTGAGCTCTCTATTTCATAACCTCAATGT
ATGTATTCCTGCTCATTAATATACTTTGCACCAGCAAAAGCGATTTCCAACATATGTGTT
TTGGAGGTAATTAAGTAACTCTGTATAAAAAATAAATGCACTTTTCCCTCCTTTCCCCAGT
GAATGGAAAACCTTCATACTTTCAAATAATAATAAAAAAATAATTTTAAAGAGCAACA
GCCCTCAACTCTTTGCTGGTGCCTGCCATACTGCCTTTCTTCACTCCATTCTTAGCTCTG
CTAGTTTCTTCTTGATGTCATGATAAAAG

SEQ ID NO: 3567: found in patent publication WO99/21980 (SEQ ID NO:108)

CCCTTAGCGTGGTCGCGGCCGAGGTACCTNCCTTTGCCAAGCCATNCTGGATGAAACCAA
AGGAGATTATGAGAAAATCCTGGTGGCTCTTTGTGGAGGAACTAAACATTCCCTTGATG
GTCTCAAGCTATGATCAGAAGACTTTAATTATATATTTTCATCCTATAAGCTTAAATAGG
AAAGTTTNTTANACAGGATTGCANNGNAGCTACCTACATGCTGAAAAATATAGCCTTTAA
ATCATTTNTATATTATAACTCTGTATAATAGAGATAAGTCCATTTTTTAAAAATGTTTTT
CCCAAACCAT

SEQ ID NO: 3568: found in patent publication WO99/58660 (SEQ ID NO:109)

CCCTTTGAGCGGCCCGCCCGGGCAGGTACCTCTTGGAACCTCAATGCAAGATAGTGTT
TCAGTGCTGGCATATTTTGAATTCTGCACATTCATGGAGTGCAATAATACTGTATAGCT
TTCCCCACCTCCCAAAAATCACCCAGTTAATGTGTGTGTGTGTTTTTTTTTAAAGGTAA
ACATTACTACTTGTAACCTTTTTTCTTAGTCATATTTGAAAAAGTAGAAAATTGAGTTAC
AATTTGATTTTTTTTCAAAGATGTCTGTAAATCTGTTGTGCTTTTATATGAATATTG
TTTTTTATAGTTTAAAATTGATCCTTTGGG

SEQ ID NO: 3569: found in patent publication WO98/39446 (SEQ ID NO:110)

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3570: found in patent publication WO99/22243 (SEQ ID NO:111)

CCCTTAGCGNGGTGCCNCGNAGNACCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3571: found in patent publication WO99/63088 (SEQ ID NO:112)

CCCTTAGCGGCCCGCCCGGGCAGGTACAATGGTCTTCCACACTAGAGACAAAGGCAATGAG
GTGAACGCAGAACGGATGAAGCTCTTACACCAAGTGTCACGAGTCTGGAGAACAGATGGG
TTGAGTAGTTGTTCTTATAAAATTAGTATCTGTGGAACACAATCCTTTATATATCAACATC
ACAGCGGATTTCTGGTTTGGTGCATGACCCTGGATCTTTTGGTGATGTTTGAAGAAGCTG
ATTCTTTGTTTGCAATAATTTTGGCCTAGAGACTTCAAATAGTAGCACACATTAAGAACC

TABLE 8B

TGTTACAGCTCATTGTTGAGCTGAATTTTCCCTTTTTGTATTTTCTTAGCAGAGCTCCTG
GTGATGTAGAGTATAAAACAGTTGTAACAAGACAGCTTTCTTAGTCATTTTGATCATGAG
GGTTAAATATTGTAATATGGATACTTGAAGGACTTTATATAAAAGGATGACTCAAAGGAT
AAAATGAACGCTATTTGAGGACTCTGGTTGAAGGAGATTTATTTAAATTT

SEQ ID NO: 3572: found in patent publication WO98/41539 (SEQ ID NO:113)
ATTCGCCCTTAGCGTGGTCGCGGCCGAGGTAATTTTTTTTTTTTTTTTTTTTTTTTNGGTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3573: found in patent publication WO98/37094 (SEQ ID NO:114)
CCCTTCGAGCGGCCCGCCCGGCAGGTAATGTAATCACTGAAACCTTTCTTGAAATA
AGGGAAGCAGCCAAACTTTGATTAAAGTTGCAAGTTCTGGGGACTTGCGGGGGTTGTCAT
AACTGTAACAGTGGGTTTGGTTCAGCATGTAAATGCAACTTTGATTTTCTTGAGGACC
GATTGACCTGTCTATGTCCCTGTATCCTCATGCTCATCATCTCAGCAGGCCCTGAGAGGCTG
GGTCAGTTTGGGTGTTTCATCATGAGGATTGCTTCTGCCATGGAGCTGATGGACGTGGGCA
GGTTGCTGAGAAGGTGGGGTGAAAGTGAGTGCCGGGGGTGGGTGAGTGCCCTGGTCTTGT
TCATAGGGGAGCCTTTCCCTAGCAGTGGAAACGCTGTGGTCATTTTCTCTAGCATATTCCC
TTGGGAAGTCTAGATTGCTATTAATCTGGCTGAGAATCTAAGTTCTGTGCCTTAGAGAC
AGTTTGCACCTTTCCCATATTGTGCCTGGGACAGCCATATGATTTTTTTTCCCACCAAACA
AGTATGCAAACAGAAACCAGTTCAAAGGGGGATGGAGTAAAGATGANGCAGTAGAAATG
CCTTTGAATGGTTTCTGNANCTAATTCTCTTTAAATTT

SEQ ID NO: 3574: found in patent publication WO99/51739 (SEQ ID NO:115)
CCCTTAGCGTGGTCGCGGCCGAGGTAATTTTTTTTTTTTTTTTTTTTTTTTGGCAGCTAA
AGATATACAGATTACTGTTAAATTGCAGTCCTTTTTTTTTTAAAGATATTTCTTGAGTTA
TTTANAACATGGTAAGCCTGGTATTTTTTAATCAAACAAAATATTTATGAAATGGGTTT
CTCTTAATTCCTGGATTTCATCATGGCTTTCTAATACCAATTGTAATATTTACAATATTCAC
CAAACTTANAATTTGCAAATGCTGGAATTCTGCCAGTGTCTTTGCTAAGCCTTGCA
TGCAAAATTTGAAATTTTAACATTGGCACCCAAAACCTACATGGAATGTATGTCTGGAGT
ATTTCAAACCTTTACATTGAAACATAATTTCTTGAAAAACAAACCATAAGCCTGAGGAGG
TTTTTATCAACTGGAATGCTTTATATTAGTTTGTTTTTTCACTGTACCTGCCCGGGCGGCC
GCTCGAAAGGG

SEQ ID NO: 3575: found in patent publication WO98/39446 (SEQ ID NO:116)
CCCTTAGCGTGGTCGCGGCCGAGGTAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTNAT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3576: found in patent publication WO99/53040 (SEQ ID NO:117)
CCCTTCGAGCGGCCCGCCCGGCAGGTACACAGGAGGCAAAGTGTTTCACATCATAGACTT
CACTTCCAACCTCTTGGAATGTTCAATTTCTTTGGCTTACAGGAGAGACTAGACAGGAAGG
CCAGGCAATGCTTAGGCAACTAAAATGAGGTTGGGGTAATGCTAACGTCACCCTCACAG
GGATGGCCACGGGGACTGTTATTCGCAAGCTGGTTTTCTAGACCTGTTAGCTGGAAGCAT
GGTGAGCACCATTCTGGACGCTCAGGCCGTGTCGGGCTTCAGTCATCTCCACCACACAG
GTACCTCGGCCCGCACCACGCTAAGGG

SEQ ID NO: 3577: found in patent publication WO98/56804 (SEQ ID NO:118)
CCCTTAGCGTGGTCGCGGCCGAGGTAATTTTTTTTTTTTTTTTTTTTTTTTTTTGGCTAC
ATTTTACTTTATTTTGTGTAAGGAAAACCAATTGACTAAGTTGTCCCCAAAATGTTAGT
GTTCACTGATCAAGAGGGAAATGAGGTCAGAAGGCAAATTTTCACTTNTTCTCAAACAT
AAATTGCAAGTATCACANAAAATTGTAACAACACATGCAACACGGGATGGCTTTCAACAC
ACAGAGAGCCTAAGCAAGAAGAGTGAGTACCTGCCCGGGCGGCCGCTCGAAAGGG

SEQ ID NO: 3578: found in patent publication WO99/04265 (SEQ ID NO:119)

TABLE 8B

CCCTTAGCGTGGTCGCGGCCGAGGTACCAAAGGCGACAGCTGCCCATTCCGTCACGTGTGA
AGCTGCAATAGGAAATGAACTGTTTGCACATTATGGCAAGAAGGGCGCTGTTTTCGACA
GGTGTGCAGGTTTTCGGCACATGGAGATTGATAAAAAACGCAGTGAAATTCCCTTGTTATTG
GGAAAATCAGCCAACAGGATGTCAAAAATTAAGTGCCTTTCCATCACAATAGAGGACG
ATATGTTGATGGCCTTTTCTACCTCCGAGCAAACTGTGTTGCCCACTGTGCCTGAGTC
ACCAGAAGAGGAAGTGAAGGCTAGCCAACCTTCAGTTCAGCAGAACAAATTGTCTGTCCA
GTCCAATCCTTCCCTCAGCTGCGGAGCGTTATGAAAGTAGAAAGTTCCGAAAATGTTCC
TAGCCCCACGCATCCACCAGTTGTAATTAATGCTGCAGATGATGATGAAGATGATGATGA
TCAGTTTTCTGAGGAAGGTGATGAAACCAAAACACCTACCCTGCAACCAACTNCTGAAGT
TCACAATGGATTACGAGTGACTTCTGTCC

SEQ ID NO: 3579: found in patent publication WO99/63088 (SEQ ID NO:120)
CCCTTAGCGTGGTCGCGGCCGAGGTACCAAAGAAGAAACCAATGGGGACGAGTTGGCA
ACGGAATCTGAAGTGCTCTAGCTGCAAGGTAGATGCAAGCACATGCTATAGTCTCTGGTT
GAAATCGAACAAACACATTGGTTTGAAGACTGTCATTTCATGTAATTCCTGAAAAATATTT
CAACTATAAGCTTGCATGTAAACAAACCAGTTCTTCTGAAGCTTACATAAAATTGGAGAC
TCAATCTACTTTATTCTTTTCTTCTTATTATATTACATCCTCATATTCTAGCAT
ATAACAACCTCTTAACCTCAAAAAATCAGTAAGCAATAAGAATTTAATACTAGGACCATAT
GCGATTTTCTTATATATGAGCGAAGCCCTTTTAAATTATTTTCATATTACAATCCAACTA
GAAATTACTCTTAAAAAGTTAATATATTTCTGTAAAAAGCAATGCTTTTCAAAGTCATT
TGACACGATTAGTTTCAGAAATGATAAACCACTCCAATAATACTTCAAGCCATTAAATTAC
TGACCATCTCTCTTTNTCACAATAAAAGCAGTGTCACCAAGTTCTTTTCAAAGCTCA
AAATACCGTTAACAGG

SEQ ID NO: 3580: found in patent publication WO99/54460 (SEQ ID NO:121)
CCCTTTTCGAGCGGCCGCCGGGCAGGTACAGAGCCCTGTTATTTTTCTCTTTGGCCCTAT
TTGGCTGCTTTTATTAATGCATCAGAACTTTATGTATAATCATATGGATTTATACGTAA
TTAAGAAAAATGTCCATTTTCATTTCAGTTTCATATGTTCTAAACGTATTGCTGATCATTCT
TAAATGAGACTCCAGTTTACATTCTTACATAAAGTGCAGGGATCCCGAAGTTAGCCCCA
AAGATCCCTTGCCTTTTTCAGACTTGCTCAAATGTTACCTTATCAGTGGGGCCTTTCTCT
GACCACACTTTAAAAACCTCAACACCCACCCATGGGCCTTGCTCCTCCTCCCGGCTTCAT
TTTTTGGCATATACTTATCAAATGTGAACATATGATGCATTTGCTTTAT

SEQ ID NO: 3581: found in patent publication WO99/46374 (SEQ ID NO:122)
CCCTTTTCGAGCGGCCGCCGGGCAGGTACTTTNTTTTTTTTTTTTTTTTTTTTTTTTTTT
AAANNCAAAATTAATTTTNTTTCACATTGNTNGAAACNTGAAAAACNTTACNCTTTN
CCAT

SEQ ID NO: 3582: found in patent publication WO99/28334 (SEQ ID NO:123)
CCCTTGAGCGGCCGCCGGGCAGGTACGCGGGGCTTCTAGTTTGCGGTTTCAGGTTTGGC
CGCTGCCGGCCAGCGTCTCTGGCCATGGACACCCCGGAAATGTCCTTCAGATGCTTGA
AGCCACATGCAGAGCTACAAGGGCAATGACCTCTTGGTGAATGGGAAAGATACATACA
GTGGGTAGAAGAGAATTTTCTGAGAATAAAGAATACTTGATAACTTTACTAGAACATTT
AATGAAGGAATTTTGTAGATAAGAAGAAATACCACAATGACCCAAGATTTCATCAGTTATTG
TTTAAATTTGCTGAGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3583: found in patent publication WO98/39421 (SEQ ID NO:124)
CCCTTTTCGAGCGGCCGCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3584: found in patent publication WO99/04265 (SEQ ID NO:125)
CCCTTTTCGAGCGGCCGCCGGGCAGGTACGCGGGGGGATACTACTAGGGAAAGCAGAAGA
TCTGAATCACTGTCCCAAGAAGAGAACTTCTAGAGAGAACAAAAGATCTCAGCCAAGA
GTGAAAGATTCTTCCCAGGAGAAAAATCCAGGTCCCAGAGCAGAGAACGAGAAAGTGAT

TABLE 8B

AGAGATGGGCAGAGGAGAGAGAGAGAGAAAGGAGAACCAGAAAGTGGTCTAGGTCCAGATCT
CATTCTAGGTCCCCCTCAAGATGTAGAACAAAAAGTAAGAGTTCATCATTGGTAGAATT
GACAGAGATAGTTACTCTCCCCGGTGGGAAGGGAAGATGGGCAAATG